

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-4. (Canceled)

5. (Currently Amended) A ~~service providing~~ service-providing system, comprising:

a mobile terminal having a user identifier;

a location information provider configured to provide a location information of [[a]]
the mobile terminal to the mobile terminal;

a service provider configured to provide a service dependent on the location information of ~~the mobile terminal to the mobile terminal;~~ and

a wireless gateway ~~a communication control unit~~ configured to control communication among the mobile terminal, the location information provider, and the service provider through a network,

wherein, when ~~said communication control unit sends a location information request including a user identifier sent by the mobile terminal~~ sends a service request including the user identifier, the location information, and a parameter to the wireless gateway, the wireless gateway ~~to the location information provider~~

converts the user identifier ~~converts a user identifier of the mobile terminal~~ to a temporary identifier,

stores communication control information including a service request identifier, a service provider name, the location information, the temporary identifier, and the parameter, and

sends [[a]] service request without the temporary identifier to the information to the service provider, the service request information including the service request identifier, the service provider name, the location information, and the parameter.

6. (Canceled)

7. (Currently Amended) The ~~service providing~~ service-providing system according to claim 5,

wherein the wireless gateway ~~said communication control unit~~ stores a correspondence table indicating a corresponding relationship between the user identifier and the temporary identifier.

8. (Currently Amended) The ~~service provided~~ service-providing system according to claim 7,

wherein the wireless gateway ~~said communication control unit~~ converts the user identifier to a different temporary identifier in another service request sent by the mobile terminal.

9. (Currently Amended) The ~~service providing~~ service-providing system according to claim 5,

wherein ~~[[said]]~~ the service provider stores service ~~request~~ information including the service request identifier, a wireless gateway identifier of the wireless gateway ~~said-communication-control-unit~~, the location information and the parameter in response to the service request information sent by the wireless gateway ~~said-communication-control-unit~~.

10. (Currently Amended) The ~~service-providing~~ service-providing system according to claim 9,

wherein ~~[[said]]~~ the service provider creates the service information by referring to the location information and the parameter, and sends service response information including the service request identifier, the location information and the service information to the wireless gateway ~~said-communication-control-unit~~.

11. (Currently Amended) The ~~service-providing~~ service-providing system according to claim 10,

wherein the wireless gateway ~~said-communication-control-unit~~ reconverts the temporary identifier corresponding to the service request identifier in the service response information to the user identifier in response to the service response information sent by ~~[[said]]~~ the service provider, and sends the service information to the mobile terminal of the user identifier.

12. (Currently Amended) The ~~service-providing~~ service-providing system according to claim 5, further comprising:

a location independent service provider configured to provide a service independent of ~~[[a]]~~ the location information of the mobile terminal to the mobile terminal in response to a service request sent by the mobile terminal through the wireless gateway ~~said communication control unit~~.

13. (Currently Amended) The ~~service providing~~ service-providing system according to claim 12, wherein the wireless gateway ~~said communication control unit~~ stores communication control information including the service request identifier, the service provider name, the temporary identifier, and the parameter in response to the service request ~~irrelevant of the location~~ sent by the mobile terminal, and sends service request information which is the same as the communication control information to ~~[[said]]~~ the location independent service provider.

14. (Currently Amended) A ~~service providing~~ service-providing system, comprising:

a mobile terminal having a user identifier;

~~a location information provider configured to provide a location information of a mobile terminal;~~

a user identification service provider configured to provide a first service requiring a user identification to the mobile terminal ~~of the user~~;

a user non-identification service provider configured to provide a second service not requiring a user identification to the mobile terminal; and

a wireless gateway ~~communication control unit~~ configured to control communication among the mobile terminal, ~~the location information provider~~, the user identification service provider, and the user non-identification service provider through a network,

wherein, when the mobile terminal sends a service request including the user identifier and a parameter, the wireless gateway

~~said communication control unit sends a location information request including a user identifier sent by the mobile terminal to the location information provider;~~

converts ~~[[a]] the~~ user identifier of ~~the mobile terminal~~ to a temporary identifier, ~~[[and]]~~

stores communication control information including ~~[[sends]]~~ a service request identifier, ~~a without the temporary identifier to the user non-identification service provider name, the temporary identifier, and the parameter, and~~

sends service request information to the user non-identification service provider, the service request information including the service request identifier, the service provider name, and the parameter.

15. (Currently Amended) The ~~service providing~~ service-providing system according to claim 14,

wherein the wireless gateway ~~said communication control unit~~ sends a user identification service request which is the same as the communication control information to ~~[[said]] the~~ user identification service provider if ~~the type of the service request is a user identification service request.~~

16. (Currently Amended) The ~~service-providing~~ service-providing system according to claim 15,

wherein the wireless gateway ~~said communication control unit~~ sends a user non-identification service request which is the communication control information without the temporary identifier to ~~[[said]]~~ the user non-identification service provider if ~~the type of~~ the service request is a user non-identification service request.

17. (Withdrawn) A mobile terminal, comprising:

a dynamic user profile memory configured to store a dynamic user profile representing information dynamically changed over time, the dynamic user profile including location information of the mobile terminal; and

a communication unit configured to send a service request with the dynamic user profile to a location dependent service provider, and to receive service information sent by the location dependent service provider, the service information depending on the location information in the dynamic user profile.

18. (Withdrawn) The mobile terminal according to claim 17, further comprising:

a location information acquirement unit configured to acquire location information of the mobile terminal, and to update the location information of the dynamic user profile stored in said dynamic user profile memory.

19. (Withdrawn) The mobile terminal according to claim 17,
wherein the dynamic user profile does not include a user identifier related to a
user of the mobile terminal.

20. (Withdrawn) The mobile terminal according to claim 17, further
comprising:

a static user profile memory configured to store a static user profile representing
information not dynamically changed, the static user profile including a user identifier of
the user of the mobile terminal.

21. (Withdrawn) The mobile terminal according to claim 20,
wherein said communication unit sends a service request with the static user
profile to a location independent service provider, and receives service information sent
by the location independent service provider, the service information being independent
of the location of the mobile terminal.

22. (Withdrawn) The mobile terminal according to claim 21,
wherein said communication unit sends a service request with the dynamic user
profile to a user non-identification service provider, and receives service information
sent by the user non-identification service provider, the service information being
unnecessary to identify the user.

23. (Withdrawn) The mobile terminal according to claim 22,
wherein said communication unit sends a service request with the static user profile to a user identification service provider, and receives service information sent by the user identification service provider, the service information being necessary to identify the user.

24. (Withdrawn) A computer-readable memory containing computer-readable instructions for a mobile terminal, comprising:

an instruction unit to store a dynamic user profile representing information dynamically changed by a time passage, the dynamic user profile including location information of the mobile terminal;

an instruction unit to send a service request with the dynamic user profile to an external server; and

an instruction unit to receive service information sent by the external server, the service information depending on the location of the mobile terminal.

25. (New) The service-providing system according to claim 5, wherein the user identifier identifies the mobile station and the temporary identifier is unable to identify the mobile terminal without information on converting the user identifier to the temporary identifier.

26. (New) The service-providing system according to claim 5, wherein the service request identifier prevents the service provider from knowing either the user identifier or the temporary identifier; and is used by the mobile gateway to identify the mobile station based on the temporary identifier and the communication control information.

27. (New) The service-providing system according to claim 5, wherein the service request does not include either the user identifier or the temporary identifier.

28. (New) The service-providing system according to claim 5, wherein the temporary identifier is only used by the wireless gateway and the wireless gateway converts the user identifier to the temporary identifier without informing the mobile terminal the temporary identifier.